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Amendments to the Claims:

Claims 1-16 (cancelled).

17. (currently amended) The production ~~machine~~system according to Claim 28, wherein the Web server comprises a connection to the Internet via a firewall.

Claims 18-19 (cancelled)

20. (currently amended) The production ~~system~~machine according to Claim 28, wherein the Web server is connected via a communications network with a Web browser as operating and monitoring system.

21 -27 (cancelled).

28. (currently amended) A production ~~system~~machine comprising:
a computer operating system in a computer comprising a real-time reaction capability;
a web server kernel installed on the computer operating system for data communication with a network, the web server kernel comprising a standardized interface for software extension modules;

a first machine process control module installed on the web server kernel via the standardized extension interface, ~~wherein the machine process control module is directly configured by the web server kernel unassisted by an external control entity;~~

the first machine process control module in data communication with a production machine for monitoring and controlling the machine;

the first machine process control module in data communication with the network via the web server kernel; and

a client on the network comprising a user display and user input interface and a communication interface to the network;

a command that after being issued causes a program code to be loaded into a memory of the computer and started as a process.

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wherein the operating system has direct access to a resource of the computer,

wherein the process has no direct access to the resource, and

wherein the process requests access to the resource via the operating system,

whereby a user of the user display and user input interface can monitor and control the production machine remotely via the network.

29. (new) The production system for according to claim 28,
further comprises a second process control module in data communication with the network via the web server kernel using a protocol,

wherein communication between the first module and the network is via a protocol,
wherein communication between the second module and the network is via the protocol, and
wherein communication between the first module and the second module is via the protocol.

30. (new) A production system for remotely monitoring and remotely controlling a first production machine and a second production machine, the system comprising:

a computer having memory and a real-time operating system;

a web server kernel installed on the computer operating system for data communication with a network, the web server kernel comprising a standardized interface for software extension modules;

a first process control module and a second process control module installed on the web server kernel via the standardized extension interface, the first module in data communication with the first machine for monitoring and controlling the first machine, the second module in module in data communication with the second machine for monitoring and controlling the second machine; and

a client on the network comprising a user display and user input interface and a communication interface to the network,

wherein the first and second modules are in data communication with the network via the web server kernel,

wherein communication between the first module and the network is via a protocol,

wherein communication between the second module and the network is via the protocol, and

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wherein communication between the first module and the second module is via the protocol,
and

whereby a user of the user display and user input interface can monitor and control the first
and second production machines remotely via the network.

31. (new) The production system according to Claim 30,
further comprises a command,
wherein after issuing the command a program code is loaded into the memory and started as
a process,
wherein the operating system has direct access to a resource of the computer,
wherein the process has no direct access to the resource, and
wherein the process requests access to the resource via the operating system.

32. (new) The production system according to Claim 30, wherein the protocol is a hyper text
transfer protocol.

33. (new) The production system according to Claim 30, wherein the protocol is a file
transfer protocol.

34. (new) The production system according to Claim 30, wherein the web server is
connected via a communications network with a web browser as operating and monitoring
system.

35. (new) The production system according to Claim 30, wherein the web server is
connected via a communications network with a web browser as operating and monitoring
system.

36. (new) The production system according to Claim 30, wherein the web server
comprises a connection to the Internet via a firewall.

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37. (new) A production system for remotely monitoring and remotely controlling a production machine, the system comprising:

a computer having memory and a real-time operating system;

a web server kernel installed on the computer operating system for data communication with a network, the web server kernel comprising a standardized interface for software extension modules;

a first process control module installed on the web server kernel via the standardized extension interface, the first module in data communication with the first machine for monitoring and controlling the first machine; and

a client on the network comprising a user display and user input interface and a communication interface to the network,

wherein the first and second modules are in data communication with the network via the web server kernel,

wherein the web server comprises a connection to the Internet via a firewall,

wherein communication between the second module and the network is via the protocol,

wherein communication between the first module and the second module is via the protocol,

and

whereby a user of the user display and user input interface can monitor and control the first and second production machines remotely via the network.

38. (new) The production system according to Claim 37,

further comprises a command,

wherein after issuing the command a program code is loaded into the memory and started as a process,

wherein the operating system has direct access to a resource of the computer,

wherein the process has no direct access to the resource, and

wherein the process requests access to the resource via the operating system.

39. (new) The production system according to Claim 38, wherein the protocol is a hyper text transfer protocol.

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40. (new) The production system according to Claim 38, wherein the protocol is a file transfer protocol.